NACELAN DYES

FOR

ACETATE SILK

NATIONAL ANILINE & CHEMICAL CO.
INCORPORATED
NEW YORK

No. 186

NACELAN DYES

GANS
SPECIAL
TP
902
N27
19--

MANUFACTURED BY

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

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National Service

THE National Aniline & Chemical Company, Inc., is convinced that the essence of all good-will is intelligent service.

In accordance with this conviction, the National Aniline & Chemical Company, Inc., maintains a fully equipped laboratory, a trained technical staff, and an experienced sales organization at each branch office. This practical dyeing service is freely placed at the disposal of its customers for the matching of shades and for assistance in the solution of dyeing problems.

Shade cards, illustrating the application of National Dyes on all classes of materials are prepared and distributed to those interested in dyeing.

The improvement of dyeing technique is the key-note of National Service.

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The dyeings on acetate silk piece goods shown herein illustrate a number of National Nacelan dyes for this fibre. They may be combined with each other in all proportions for the production of intermediate shades, with the exception of National Nacelan Diazine Red B, National Nacelan Diazine Crimson B and National Nacelan Diazine Maroon G which are used for developed shades.

METHOD OF APPLICATION

Dissolving the Dyestuff

The National Nacelan dyes are dissolved in distilled (condensed) or softened water at 175° F, preferably with the addition of from 1 to 3 ounces of neutral soap per 10 gallons of water.

National Nacelan Black B is best dissolved at 175° F with the addition of about ½ ounce neutral soap per 10 gallons of water.

Preparation of Material for Dyeing

The material, whether acetate silk alone or a mixed fabric, is scoured for 30 minutes at 140° F in a solution containing

1 to 3 oz. Neutral Soap
½ to 1 oz. Ammonia 26°

per 10 gallons of water. It is advisable to repeat the operation with particularly hard and stiff fabrics.

Dyeing

The dyebath is prepared with the requisite amount of dyestuff, dissolved as described above, and 1 to 3 ounces neutral soap per 10 gallons of dye liquor is added to promote level dyeing. The maximum indicated amount of neutral soap is necessary when dyeing light shades, and a small amount is desirable even for full shades. National Nacelan Black B is best dyed with the addition of about ¼ ounce of neutral soap per 10 gallons of dye liquor.

Enter the well scoured material at 120° F, raise the temperature slowly to 165 to 175° F and continue dyeing at this temperature from 45 minutes to one hour.

National Nacelan Black B should be dyed at the above temperature for 1 to 1½ hours.

For solid or multi-colored effects on mixed fabrics by the one bath process, the material is scoured as for acetate silk alone. The National Nacelan dyes are dissolved separately from the direct or acid dyes, in the usual manner, and then added to the dyebath. According to the depth of shade, add 20 to 40% Glauber's salt crystals and dye in the same way as for acetate silk alone.

Many mixed fabrics consisting of vegetable, animal and acetate silk fibres may be dyed by the one-bath process. It is sometimes desirable, however, especially for multi-colored effects that are required to be particularly clean, to use the two-bath or even three-bath process, in which case the acetate silk is first dyed as above. The material is thoroughly rinsed and the animal fibre then dyed in an acetic or formic acid bath. Finally, after rinsing, the vegetable fibre is dyed with the addition of Glauber's salt crystals.

Developed Dyeings

Special attention is called to

National Nacelan Diazine Red B
National Nacelan Diazine Crimson B
National Nacelan Diazine Maroon G

From the first named, when diazotized and developed with Phenol, a rich golden yellow of very good fastness is obtained. With National Developer B it produces a bluish scarlet and with National Developer DB a dark red. National Nacelan Diazine Crimson B yields a crimson with National Developer B, and a rich reddish brown with National Developer DB. National Nacelan Diazine Maroon G gives a deep maroon with National Developer DB.

Because of the resistance of acetate silk to wetting out and its poor penetrability with water, it is best when dyeing National Nacelan Diazine Red B, National Nacelan Diazine Crimson B and National Nacelan Diazine Maroon G to double the amounts of acid, nitrite and developer as compared with those quantities ordinarily used in diazotization and development on vegetable fibres.

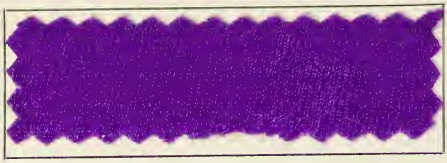
The statements made herein with respect to our several products are expressions of our opinion, based upon careful tests and investigations, and are not warranties.

1.45 B

1

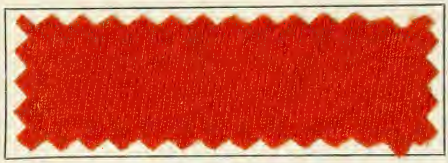
5% Nacelan Yellow 2G

1.55

2 

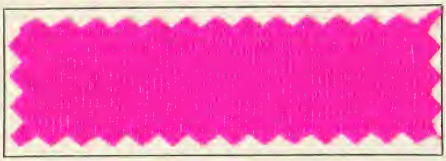
5% Nacelan Violet R

1.15

3 

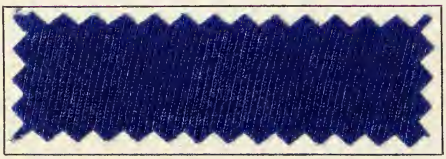
5% Nacelan Orange 4R

2.75

4 

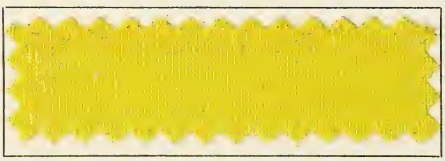
5% Nacelan Pink G

1.50

5 

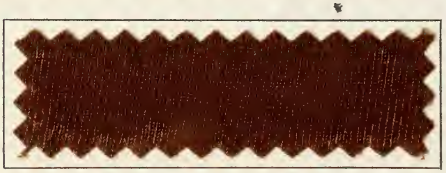
5% Nacelan Blue G

1.05

6 

5% Nacelan Yellow G

1.50

7 

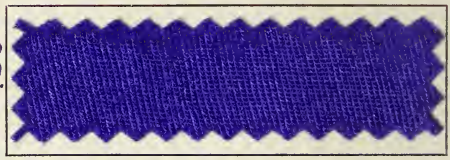
5% Nacelan Brown B

1.50 8

5% Nacelan Green G

1.00 9

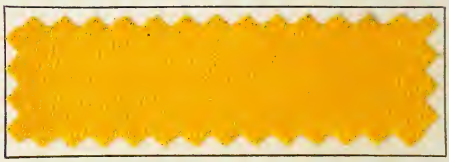
5% Nacelan Red DR

1.60  10

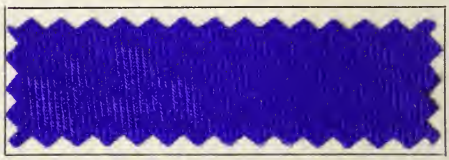
5% Nacelan Blue 2R

1.50 11

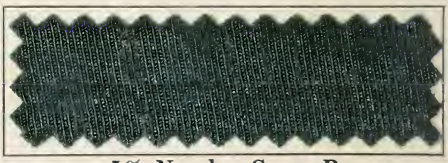
5% Nacelan Brown G

1.16  12

5% Nacelan Orange R

1.80  13

5% Nacelan Violet 4B

1.65  14

5% Nacelan Green B

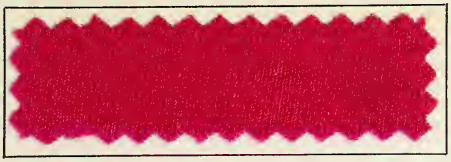
very concentrated yellow - nacelan yellow 5G spec 2.75

Nacelan Brown BN 1.20 Nacelan Blue GH - 1.85

Nacelan Red NB. 1.60 Nacelan Sulfone Black OJ developer

2.00

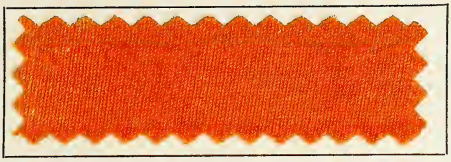
15



5% Nacelan Pink B

1.50

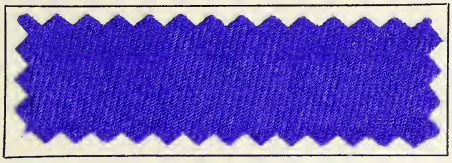
16



5% Nacelan Orange 2R

2.60

17



5% Nacelan Blue R

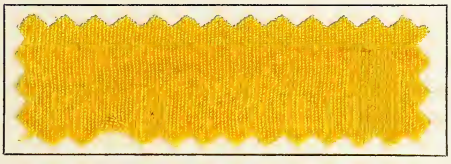
1.95

18

5% Nacelan Red R

1.40

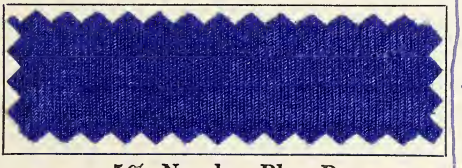
19



5% Nacelan Orange G

1.60

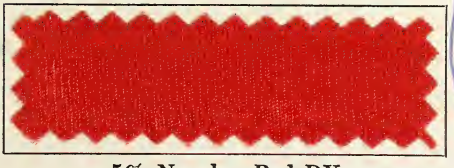
20



5% Nacelan Blue B

1.00

21



5% Nacelan Red DY

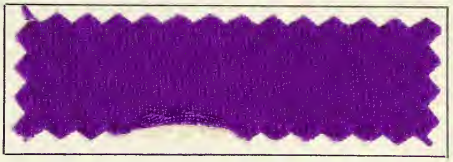
1.60

22

10% Nacelan Blue D

1.50

23



5% Nacelan Violet 4R

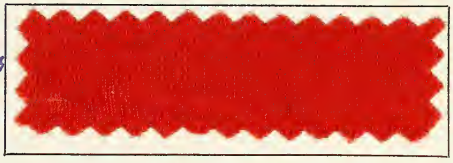
NG

24

5% Nacelan Diazine Maroon G

NG

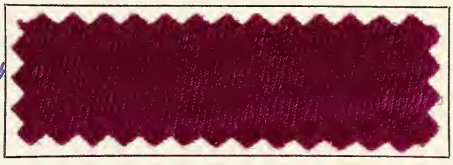
25



5% Nacelan Diazine Red B

NG

26



5% Nacelan Diazine Crimson B

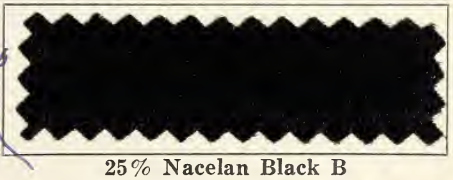
NG

27

25% Nacelan Black B

NG

28



25% Nacelan Black B
2% Nacelan Orange 4R

= 3.00 (Nacelan Black JB - 1.05 (for shading + Grays)